



NEWSLETTER

INTERNATIONAL SOCIETY OF CHEMICAL ECOLOGY

Volume 19, Number 3, October 2002

Report From the Annual Business Meeting

Report from the 2002 ISCE Business Meeting, August 8, Hamburg, Germany.



President Isman opened the meeting by thanking the retiring Secretary, Jocelyn Millar, for his efforts on behalf of the Society over the last five years and also thanking the local meeting host, Wittko Francke, for all his

efforts in putting together the meeting.

Isman announced the results of the society elections, with Tom Baker elected as incoming vice-president, Stephen Foster as Secretary, and Heidi Dobson, Jocelyn Millar, Coby Schal, and Sadahiro Tatsuki as the new councilors. Walter Leal as past-president will be the 5th new councilor. Isman also announced the recipients of the 2003 Silverstein-Simeone award as Richard Vogt, and the 2003 Silver Medal award as Jeremy McNeil.

Treasurer Steven Teale reported that the ISCE finances were in good shape, and thanked Fuji Flavors, Kluwer, and Trécé, for gifts in support of ISCE awards. Although the society's finances are in good shape, the recent downturn in the stock market has resulted in a decrease in some of the Society's investments. Teale provided figures on ISCE memberships.

There are currently 516 members, counting those who paid in 2001 but have not yet paid for 2002. This included 102 life members, 76 student members, and 338 regular members, of which less than 20% paid the lower membership rates for developing countries. Jenny Mordue and Ben Burger had audited the treasurer's report. Coby Schal moved the report be accepted. This was seconded by Abraham Hefetz, and passed unanimously.

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Jocelyn Millar reported that it had been a quiet year (as Secretary). He, Teale, and Cossé (webmaster) had been working to ensure that membership numbers were maintained. Moving to an all-electronic format for communications with members and the Newsletter had been very successful, and had decreased both workload and time required to get materials to members. The only problem was that a significant percentage of email addresses are out of date or incorrect at each mailing, requiring the secretary to obtain current addresses. This problem was decreasing as the membership database is updated and streamlined. Millar reported that the use of electronic bal-

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Secretary/Editor's Message



This is the first newsletter I have been responsible for and I would like to start out by thanking Jocelyn Millar for his very smooth and comprehensive handover of the secretary's tasks. Jocelyn did a great job while secretary and, in combination with others, helped transform the administration of the society into a smoothly run and efficient vehicle. Besides the obvious relevance to one's work, one of the obvious attractions of being a member of ISCE is the relatively small size of the membership and meetings, especially in comparison to some of the larger, more general discipline-based societies. The smaller society has the advantage of greater intimacy and an ability to know much of what is happening within the society and in the field. It is likely that, within the society, many members know personally a high proportion of other members. This is especially evident at annual meetings. In spite of the fact that the last annual meeting had a record attendance of over 300 people, necessitating, as Wittko Francke lamented, the use of concurrent sessions, the intimacy of the meeting was apparent throughout. A particularly satisfying aspect of the increased attendance at the Hamburg meeting was the increase in students and young scientists attending. This bodes well for the future of the society.

One real benefit of the size of the society is the greater ability to communicate more widely amongst a high proportion of members as well as influence society policy. This occurs both formally and informally. This newsletter is one vehicle for communicating within the society and one which appears to reach a high proportion of the members as evidenced by the high number of website hits after its publication. If you wish to communicate through the newsletter, whether it be of news of awards, accomplishments, upcoming meetings of interest, position advertisements or news of members, please e-mail me your contributions throughout the year. Providing they are of relevance to the society, I will publish them in the next newsletter.

Finally thanks to all the contributors to this newsletter and especially to Till Tolasch for supplying the Hamburg meeting photographs.

Stephen Foster, Secretary

lots in the elections was very successful, with approximately double the number of votes received compared to previous years when paper ballots had been used. Less than 10% of ballots cast were received as paper ballots, with only one instance of a person attempting to vote twice. ISCE member John Trumble verified the vote count. Millar also mentioned that there had been complaints from a few members, who had objected to the votes being collated and counted by someone (Millar) who was also on the ballot as a candidate for councilor. Millar felt that if such a situation arose in the future, ballots should be sent to and counted by another of the Society's officers. Millar thanked Allard Cossé for his invaluable work with the ISCE website. Millar reported that an awkward situation had been recognized with regard to life members, in that there is no mechanism for removing them from their ISCE membership if they retired, lost interest in the society, or passed away. He will send out a list of life mem-

bers to some of the senior members of the Society, and ask that they report on any life members who have passed away, or who are otherwise no longer interested in membership, to Treasurer Teale, so that they can be removed from the membership database. It was also suggested that life members could be contacted personally each year.

Finally, Millar reported that Ted Turlings and Martine Rahier volunteered Neuchatel for the 2008 meeting. Seybold moved that Millar's report be accepted. This was seconded by Isman, and passed unanimously.

Webmaster Cossé reported that in a randomly selected period of 4 months, the ISCE website had received 124,000 hits. The first electronic newsletter in February 2001 had been downloaded 300 times, and the latest newsletter 510 times. The addresses receiving the most

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hits were the home page, the available positions, and the meeting pages. In addition, the abstracts of previous meetings received a lot of hits; e.g., the abstracts of the 2001 Lake Tahoe meeting were downloaded 3,600 times. When members were notified electronically that the 2002 program was available on the website, the program was downloaded 400 times in the following 24 hours. Overall, the website cost about \$350 annually. In the near future, Cossé will add a Google search engine function, to enable searching with keywords.

John Romeo, editor of *Journal of Chemical Ecology*, reported that 175 papers were published in 2001, from 310 received, with a rejection rate of 34%. Through June 2002, 170 manuscripts had been received. The latest impact factor, based on statistics from papers from 1999-2000, was 1.43, virtually unchanged from last year. The immediacy index was 0.25, the half-life for cited papers was 8.4 years, and the half-life for authors citing JCE papers was 9.8 years. The journal is ranked 39th out of the top 108 ecology-type journals that are ranked. Romeo commented that manuscripts with poor English are now rejected without review. Regular articles are reviewed, on average, in 2.75 months. Many reviewers are late, despite agreeing to review the manuscripts within 3 weeks. However, the largest delay in publication is caused by authors being slow to return revised manuscripts.

The rapid communications section was launched in 2002, with the first one appearing in April. Of the 11 communications submitted, 4 were accepted. Romeo stressed that even though results may be preliminary, they must be supported by solid, replicated data for publication. The communications are processed entirely electronically, and are published in electronic format within about 3 weeks of submission. To maintain the quick turnaround, the editors have been encumbered with the final formatting.

Romeo reported that staffing is working well, with Leal, Downum, and Targett doing an excellent job as associate editors. He will look for another European-based editor for the subject area of pheromones. Editorial assistant John Huff is also working out well. Angel Guerrero asked whether the *Journal* might be ranked in classes such as Agriculture, to see whether its ratings might be better in those categories. Romeo commented that it is also ranked in Biochemistry, where its ranking is in fact lower than in

the Ecology classification. John Pickett commented that the *Journal* has no control over its classification by SIS.

Wittko Francke, the local meeting host, reported that 310 participants had registered for the Hamburg meeting. Costs had been kept low by using university staff and facilities wherever possible, and using no outside agencies. Francke reported on behalf of the student awards committee that 30 applications had been received, with 11 awards, but one awardee was unable to accept. President Isman asked that the record reflect the Society's gratitude to Professor Francke for his excellent job in organizing and hosting the meeting.

Dr. K.S. Boo gave a presentation on the 2003 meeting, currently planned for July 14-19 in Gyeongju in South Korea. The meeting dates were chosen to dovetail with the International Plant Protection Congress being held in Beijing the week before. The meeting would be a joint meeting with APACE, with a total projected attendance of 200-250. The Gyeongju site was chosen because it is a small city in the center of many historical sites. Boo advised that most attendees would probably fly into Incheon International airport, and then transfer to the domestic Kimpo airport for the one hour flight to the airport closest to the meeting site, with a final bus transfer to the meeting hotel. Alternatively, participants could fly into Gimhae International airport from some Asian countries and then bus to the meeting site.

The 2004 Ottawa meeting, to be organized by Philogene and Arnnason, will be a joint meeting with the Phytochemical Society of North America, and will probably be held around the beginning of August. The organizers will try and use university facilities to keep costs down. In other business, Isman asked attendees to send suggestions for vice president and councilors to him, as past-president.

Millar commented that the society is now back on track with councilors, with 4 new ones being elected every year, plus the outgoing past-president becoming a councilor for 3 years as well.

Isman briefly summarized the updates to the bylaws, and commented that all suggested changes had been thoroughly reviewed and discussed by himself, Millar, and

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Francke, the chair of the ad hoc committee charged with drafting the updates, with further input from some councilors. The most significant changes were to the ISCE statement of purpose, and to the membership categories. Jeremy McNeil moved to accept the update; this was seconded by Wittko Francke, and passed unanimously.

Isman also reported on his continuing discussions with Kluwer, who would like to sell the Society a blanket electronic subscription to the Journal at a fixed fee, with costs to be covered by increasing ISCE membership dues. The subscription will provide access to back issues to 1996, and is fully searchable. Isman informally polled a sample of 50 members chosen to cover large and small institutions and different countries, and found that 75% of responders were in favor of electronic subscriptions. Isman will continue to negotiate with Kluwer once he has received a written proposal from them.

Isman concluded the meeting by handing over the presidential duties to incoming president Jean-Luc Clément, who thanked Isman for his service to the society. There being no further business, the meeting was adjourned. Jocelyn Millar, Outgoing Secretary

President's Message



Recent trends in research funding have seen major funding organizations and research institutions throughout the world emphasize interdisciplinary research. Important scientific advances are made as disciplines are brought closer together and researchers trained in different fields interact while collaborating on common projects. The Inter-

national Society of Chemical Ecology was a forerunner in original and innovative application of interdisciplinary research. For nearly 20 years our Society has been meeting annually, in different countries, and benefiting from the rich and productive interaction of shared research results and reports. Over these 20 years there have been many changes in the topics that have attracted the keenest interest in the field, and particularly in the analytical techniques used to address these topics. Analytical methods in organic chemistry are more sophisticated, large numbers of researchers are now familiar with the tech-

niques of molecular biology, and mathematical methods make it possible to work with all of the variables of a problem simultaneously. Electrophysiological analysis is another example of continuous technical refinement. The results obtained by chemical ecology researchers have drawn heavily on techniques such as these, in association with several other fields. Who would have imagined at the first meeting of the Society in Austin, Texas, the tremendous progress that has been made in the field between then and this year's meetings in Hamburg?

The Hamburg meeting was noteworthy not only for the quality of the interdisciplinary research presented, but also for the number of student scientists participating. This provided ample proof to the Society's founding generation that the next generation is ready to carry on. Wittko Francke did a tremendous job in hosting the best-attended conference since the Society began. He and his team are to be warmly thanked and congratulated for the huge success of this exciting and well-organized event. Not only interdisciplinary in nature, but also thoroughly international in composition, our Society is dedicated to working together to refine the state of knowledge of chemical ecology throughout the plant and animal kingdoms.

Our international collaborations and colloquia continue uninterrupted in spite of problems in various nations around the world. In the past our meetings have been held predominantly in North America and Europe. The next (2003) meeting will be the second time that the Society has held an annual meeting in Asia. This will give greater numbers of Asian scientists an opportunity to participate in the Society's meeting and will hopefully lead to new and increased interdisciplinary cooperation among scientists working on chemical ecology around the world.

Jean-Luc Clément, President

Treasurer's Report



The membership currently stands at 544 total members, consisting of 102 Life Members, 366 Regular Members and 76 Student Members.

Several changes are reflected in the Society's finances this year. Gifts the Society received in-

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cluded \$5,000 from Fuji Flavor, with \$3,000 intended to support the Silver Medal Award in 2001 and \$2,000 in 2002. A gift of \$2,500 from Plenum was intended to support the Silverstein-Simeone Award in 2000, but was received in January 2001. This was in addition to their \$2,500 gift received in June 2001. Approximately three years ago (when Fran Webster was Treasurer) the Society fronted \$4,500 to secure the hotel for the 2001 meeting at Lake Tahoe. Gary Blomquist who received a USDA grant to cover the cost of the Student Travel Awards repaid this indirectly. The last printing and mailing charges for the hardcopy newsletter were paid. Professor Francke had new medals cast for the Silver Medal and was reimbursed accordingly. The net gain for the year must be viewed in light of these inter-year transactions. There are new charges to cover the cost of the web page; these charges are limited to the web hosting service. Our endowment has continued to suffer as a result of the recent decline in financial markets. From the high point at the end of 2000, when our investments were worth \$86,720, we lost \$13,128 by the end of June, 2002. The precipitous stock market decline in July has undoubtedly added to this, but the figures are not available at the time of writing. Because the Society does not depend on interest and dividends for operating expenses, the losses do not affect our ability to carry out Society business and, in the long term, we should see our assets recover and grow again. The Chase Bank checking account has been closed and the funds have been transferred to an interest bearing checking account with Merrill Lynch. Those funds will soon be reinvested in mutual funds. As of June 28, 2002, the Society's assets stood at \$132,813.

19th Annual Meeting Report, Hamburg, Germany

The 19th Annual Meeting of the International Society of Chemical Ecology was held at the Chemistry Department of the University of Hamburg, Germany, from August 3-7, 2002.

A record number of 307 participants and 22 guests from 31 countries registered. Possibly due to moderate costs, a large number of participants were students. The program comprised 3 core lectures (Social Lecture, Silver-Medal-Award Lecture, Silverstein-Simeone Lecture), 16 invited symposium lectures, 77 contributed talks and 130 posters. Symposia were organized on Semiochemicals



Wittko!, Wittko!, Wittko!

(Wittko Francke), Insect-Plant Relationships (Monika Hilker), Aspects of Chemical Ecology in Molecular Biology (Ian Baldwin), and Symbiosis (Thomas Hartmann). The large number of oral contributions forced the scientific committee to schedule parallel sessions on different topics during two afternoons. The meeting started on the evening of Saturday, August 3 with an enjoyable and relaxing Social Lecture by Jerrold Meinwald (chair Gunnar Bergström), who gave an overview of some of his career highlights and, accompanied by his wife Charlotte (piano) and a string trio, entertained the auditorium with a recital of chamber music. He concluded that he had been fortunate in his life to have been instructed by one of the world's leading chemists (R.B. Woodward) and by one



How many of these people attended the Sunday morning session?

of the world's best flautists (M. Moyse). The welcoming barbecue was open ended, which resulted

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in a few of the participants missing the first Sunday lecture (by Kenji Mori)! The morning session concluded with a fascinating Silver-Medal Award Lecture, given by the ever-energetic John Pickett (chaired by Wittko Francke), on the past, present, and future work of his Rothamsted group and multitude of collaborators, entitled "To attack or not to attack? Life as a chemical ecologist, or how pests avoid plants and animals that are unsuitable as hosts". The afternoon lectures were followed by a poster session with beer and pretzels, which provided a touch of high class "scientific vernissage". Tom Baker concluded the Monday, morning session (chair Wendell Roelofs) with his Silverstein-Simeone Lecture outlining his work on neuroethology and practical applications of this work. The scientific topics presented at the meeting covered a wide range and, for the first time at an ISCE meeting, included such important fields as symbiosis and ecological aspects of molecular biology.

Tuesday afternoon was free of talks, enabling the majority of the participants to enjoy an organized sightseeing tour by bus. The meeting ended on the evening of August 7, with a delightful banquet during a boat cruise on the river Elbe.



His wurst is bigger than mine!

The meeting was a great success, due to the high quality of the invited and contributed talks, and posters. In particular, the excellent contributions of the younger participants showed that the field would remain in good hands in the years to come.

The Society is grateful for the financial support of the

meeting received from BASF AG, British American Tobacco, Bayer AG, Beiersdorf AG, Daaks Chemicals, Deutsche Bank AG, Fuji Flavor Co. Ltd., Kluwer Academic/Plenum Publishers, Körberstiftung, Nestlé, Stiftungsfond Unilever, Tréce Inc., and Universität Hamburg. Overall, a small financial surplus resulted from the running of the meeting. This will be given to the Society.

Finally, I am most grateful to all who helped with the smooth running of this conference, but especially to the co-organizers Ian Baldwin, Monika Hilker, and Thomas Hartmann, to Jocelyn Millar, and Allard Cossé, to my research group and my wife, Heidi.

Wittko Francke, Meeting Host

Tom Baker, 2002 Silverstein-Simeone Award Winner



Dr. Thomas C. Baker has been conducting cutting edge research on insect chemical communication for over two decades. His work has advanced our understanding of insect behavioral responses to pheromones and other odors and continues to make exciting breakthroughs in this area each year. Baker was inspired by the great scholar

Prof. John S. Kennedy to look at the chemical communication system in fine detail to assess what mechanisms were involved in moths moving to a pheromone source, and how they were able to discriminate among closely related blends. The detailed and creative research from his laboratory has led the way to an understanding of the behavioral aspects of this olfactory system. His recent article entitled "The cutting edge of insect olfaction" is a testimony to many of his accomplishments. His research has helped to uncover the mechanisms used by flying insects to locate odor sources from a distance, as well as the olfactory pathways insects use to discriminate among odors. In addition, he and his colleagues have, over the years, identified numerous, novel host-attractants and pheromone blends for different insect species. He has also maintained an active research effort to utilize semiochemicals in insect pest management programs,

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most recently by developing new types of dispensers for pheromone mating disruption.

In 1998 he started an Iowa-based company called MSTRS Technologies, Inc. in order to facilitate the delivery of novel, semiochemical technologies to growers and the public. Baker's research has always had neuroethology as its major mode of inquiry, and it continues to involve a great variety of thrusts.

Current projects include: using an insect multi-species antennal array as a discriminating, sensitive EAG biosensor for detecting and locating sources of particular odorants in the field; trying to understand how the architecture and placement of antennal sensilla and neurons may help insects discriminate individual odorants mixed in blends in odor plumes; and, understanding how sex pheromone olfaction is inherited and how it may have evolved in heliothine moths.

After graduating from Cornell University in 1972, he remained there to earn his M.S. degree with Wendell Roelofs in 1975, and then obtained his Ph.D. at Michigan State University with Ring Cardé in 1979. After a brief postdoc with Roelofs he joined the faculty at the University of California, Riverside in 1979 and then moved to Iowa State University in 1992. It is noteworthy that Baker managed to stay at the cutting edge and keep a nationally and internationally visible semiochemicals research program going while spending 14 of his 21 university faculty member years serving as an administrator. He was Chair of the Department of Entomology at Iowa State University from 1992 to 1999, and also was Chair at UC Riverside (1988-1992). Before that, he served as Head of the Division of Toxicology and Physiology at UCR (1986-1988). He has been on the editorial board of a number of journals, received numerous prestigious awards from the ESA, is a Fellow of the American Association for the Advancement of Science, and currently is the vice-president of the International Society of Chemical Ecology.

Wendell Roelofs

John Pickett, 2002 Silver Medal Winner

Dr. John A. Pickett F.R.S. has been active and highly prolific in science over a long period. His innovative investigations have had a tremendous impact on the develop-

ment of our present knowledge in chemical ecology. Particularly important were his extensive studies in insect chemical ecology and its exploitation in pest control. His work has specifically involved the identification of semiochemicals mediating interactions between insects and between insects and their hosts.

Almost 25 years ago John started his groundbreaking studies on the chemistry and function

of the secretion of the Nasonov gland of honey bee workers. Since then, research projects on basic and applied aspects of aphid chemical ecology, i.e. identification and synthesis of pheromones, aphid plant-relationships, aphid parasitoid-relationships, and aphid pest management formed a theme in his work, although he has been extremely successful in other fields. Apart from aphid pheromones he identified numerous other types of semiochemicals, for a wide range of pest and beneficial insects, often with novel structures and present in organisms at very low levels. He was first in carrying out the structure elucidation of mosquito and sandfly pheromones. His in-depth studies on aphid semiochemicals have transformed the view of the chemical ecology of these insects, establishing the importance of volatile signals and the specificity of systemically released signals, induced through feeding damage by particular aphid species, in higher trophic interactions. These pioneering identification studies led him to further discoveries having wide impact, including the first reported synergy between an aphid pheromone and plant-derived semiochemicals, the widespread involvement of specific rather than generalist olfactory neurons in insect interactions with plant and animal hosts, and the role of such specific neurons in avoidance of non-hosts.

Throughout his career, John has ardently sought exploitation of basic results in practical pest control and promoted technology transfer with respect to the advances in chemical ecology with which he has been associated. A resounding success is the collaborative programme with the International Centre of Insect Physiology and Ecology (ICIPE) in Kenya on controlling stem borers and striga in maize.



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John's laboratory has always been open for collaborations at all levels, and his contributions during scientific meetings have always been most stimulating.

John is the recipient of numerous prestigious honors including the Rank Prize, Nutrition and Crop Husbandry (1995). He holds a special professorship at the University of Nottingham 1991 and became a Fellow of the Royal Society (1996) as well as a member of the Deutsche Akademie der Naturforscher Leopoldina (2001). In addition to his long-standing commitment to the International Society of Chemical Ecology (Council Member, Vice-President and President), he has competently supported the Journal of Chemical Ecology as a member of the editorial board and by publishing a great deal of his work therein, including many of his first time discoveries. His enthusiasm has been and will be most important in popularizing Chemical Ecology, and as an engaged and untiring ambassador, he is most deserving of the Silver Medal Award. Wittko Francke

Student Travel Award Winners 2002

- Jeremy Allison (Canada/USA): Kairomonal responses by woodborers to bark beetle pheromone blends and differential activity of individual components
- Lana Barkawi (USA) Frontalin biosynthesis in the jeffrey pine beetle, *Dendroctonus jeffreyi* Hopkins (Coleoptera: Scolytidae).
- Ashraf El-Sayed (Post doc, Vineland Station, Ont., Canada). Geographic variation in pheromone chemistry, antennal electrophysiology and pheromone-mediated behavior of eastern north American populations of the obliquebanded leafroller (could not attend meeting; award returned to the society).
- Agnes Galimard (The Netherlands). Comparison of the GC profiles of the odors of six persons with differential attractiveness for malaria mosquitoes.
- Astrid Groot (The Netherlands/USA): Evolution of sexual communication in two closely related moth species
- Kyeung Sik Han (South Korea): Mechanism of sexual isolation between the two species of *Adoxophyes orana* and *A. sp.* in Korea
- Tamar Katzav-Gosansky (Israel): Dufour's glands secretion – A new honeybee queen signal.

- Pascal Laurent (Belgium): Biosynthetic studies of ladybird defensive alkaloids
- Anna Luxova (Czech Republic): Studies on biosynthetic pathways of male's marking pheromone of bumblebee
- Christopher M. Ranger (USA). Chemical elucidation of trichome-based resistance of *Medicago sativa* L. to a hemipteran pest.
- Marit Stranden (Norway): The biological role of the plant volatile (-)-germacrene D in Heliothine moths: Electrophysiology and behaviour

The following individuals generously contributed to the funding of the student travel awards:

Antonio Alba-Meraz, Wilhelm Boland, John A. Byers, Ana Maria Castro, Peter C. Daniel, Marien de Bruyne, Kelsey R. Downum, David E. Giannasi, Nelida Gomez, Gerhard Gries, Patrick M. Guerin, Kotaro Konno, Julia Kubanek, Yasumasa Kuwahara, Staffan Lindgren, Niels Lindquist, Alexander Milne Mackie, Michael Martin, Robert T. Mason, Kenji Mori, Ralph O. Mumma, James L. Nation, Valerie J. Paul, Erika Plettner, Fredrik Schlyter, Dietrich Schneider, Robert M. Silverstein, Baldwyn Torto.

ISCE Silver Medal and Silverstein-Simeone Award Winners for 2003

The 2003 award winners were announced at the ISCE meeting in Hamburg. The Silver Medal Award winner for career achievement in chemical ecology is Dr Jeremy McNeil, Professeur Titulaire in the Department of Biology at Laval University, Canada.



Dr McNeil's research has focused on a diverse range of ecological issues including the chemical ecology of moths that migrate in response to predictable and unpredictable habitat deterioration, pheromone mediated mating and mate choice, and aphid-parasitoid interactions. He is a past-president of ISCE and has received numerous awards around the world for his research and for his promotion of the awareness of science.

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The Silverstein-Simeone lecture Award winner is Dr Richard Vogt of the University of South Carolina.



Dr. Vogt's research is on the molecular basis of behavior in the contexts of function, evolution and development, with the insect antenna as the primary model for these studies. His current work focuses on the identification, by molecular cloning

techniques, of proteins involved in the functional detection and processing of odorants as well as proteins involved in regulating neuronal growth and development.

Upcoming Meeting in Gyeongju, South Korea

The 20th Annual Meeting of ISCE will be held July 14-19 in Gyeongju, South Korea. This meeting will be a joint meeting with the 3rd Meeting of the Asia-Pacific Association of Chemical Ecologists. The meeting will be hosted by Dr K.S. Boo of the School of Agricultural Biotechnology, Seoul National University, with an organizing committee consisting of Thomas C. Baker, Thomas Hartmann, Kenji Mori and Walter S. Leal.

Four symposia are planned on bioactive compounds from plants, animals, & microorganisms, plant-animal interactions, practical application of semiochemicals, and identification, and the synthesis, biosynthesis, regulation, and reception of semiochemicals. See the official website <http://aginfo.snu.ac.kr/isce2003> for details.

Future meeting sites are: 2004 Ottawa, Canada (B. Philogene and T Arnasson), 2005 Maryland, USA (J. Aldrich), 2006 Barcelona, Spain (A Guerrero).

Call for Nominations for ISCE Vice-President, Councilors for 2003

Nominations for the positions of Vice-President and four new councilors are called. The position of Vice-President is prestigious in that he/she will assume the position of Society President in the year following tenure of the role

of Vice-President.

ISCE councilors are elected for a term of three years. Councilors must commit to attending at least two ISCE Executive meetings during this period. Their other principal responsibilities are participation in the selection of the Silver Medal and Silverstein-Simeone awards and to provide general guidance and assistance to the Executive committee. It is expected that all people nominated for the above positions have a strong record of participation in Society activities and meetings. It is highly desirable that the elections have competition for the positions, i.e., that there be more than one high quality candidate for Vice-President and at least 5 candidates for the councilor positions.

Please send names, contact addresses, phone and fax numbers, and e-mail addresses of candidates along with a short description of why you think the candidate(s) would be suitable for office, to Dr Murray Isman, Past-President ISCE, Faculty of Agricultural Sciences, University of British Columbia, Vancouver, BC V6T 1Z4, Canada. E-mail: murray.isman@ubc.ca.

Deadline for receipt of nominations is November 15 2002.

Call for Nominations for the Year 2004 ISCE Silver Medal and Silverstein-Simeone Awards.

The ISCE Silver Medal Award, sponsored by Fuji Flavor Co., is intended to recognize career achievement by an outstanding scientist working in the field of chemical ecology. The recipient must deliver a plenary lecture at the annual ISCE meeting.

The Silverstein-Simeone Award, established in 1995, to honor Milt Silverstein and John Simeone, is made on the basis of recent or current work, by the individual, of an outstanding nature at the "cutting edge" of chemical ecology. The recipient must deliver a plenary lecture at the annual ISCE meeting and publish a paper on the same topic in the Journal of Chemical Ecology. The expenses of the recipient of the Silverstein-Simeone award to attend the annual meeting are paid by the society through the generous sponsorship of Kluwer Publishers. Nominators should be ISCE members in good standing. Nominations will be reviewed by the President and Vice President for relevance to the appropriate award, before forwarding them

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to the full ISCE Executive Committee. Should a nomination for one award be considered more relevant for the other award, the President will contact the nominator(s) regarding reconsideration. Current ISCE officers or councillors are not eligible for the awards because of possible conflict of interest. Note that previous, unsuccessful nominations must be renominated to be considered for the awards. It would be helpful to resubmit the nomination packets for these individuals.

The nomination process is the same for both awards and is as follows:

- A nomination letter explaining why the nominee should be recognized for the award, stressing either their current cutting-edge research (for the Silvertsein-Simeone award) or their career achievements (for the Silver Medal award).
- Curriculum vitae, including a list of publications pertinent to the research on which the award is based (for the Silverstein-Simeone award), or a full list of publications (for the Silver Medal award). If desired, supporting letters from other colleagues.

Please submit all parts of the packet in electronic format (including supporting letters) along with one paper copy to: Pr. Jean-Luc Clément, President ISCE, c/o Centre National de la Recherche Scientifique, International Affairs Directorate, 3 rue Michel-Ange, 75794 PARIS Cedex 16, FRANCE, Tel: 33 1 44 96 46 90, Fax: 33 1 44 96 49 10, e.mail: jean-luc.clement@cnrs-dir.fr.

The electronic copy must be submitted as an e-mail attachment. Nominations must be received by December 31st 2002.

2002-03 Executive Committee

- Jean-Luc Clément, President
c/o CNRS, International Affairs Directorate 3, rue Michel-Ange 75794, PARIS Cedex 16, FRANCE,
jean-luc.clement@cnrs-dir.fr
- Thomas Baker, Vice-president
Department of Entomology, Iowa State University, Ames, IA 50011, USA, tcbaker@iastate.edu
- Stephen Foster, Secretary
Department of Entomology North Dakota State University Fargo, ND 58105, USA Stephen.foster@ndsu.nodak.edu
- Stephen Teale, Treasurer

Department of Environmental and Forest Biology
College of Env. Science and Forestry State University of New York
Syracuse, NY 13210 USA sateale@mailbox.syr.edu

- Murray Isman, Past-president
Faculty of Agricultural Sciences
University of British Columbia Vancouver, BC V6T1Z4
CANADA Murray.isman@ubc.ca
- John T Romeo, Editor
Journal of Chemical Ecology
Department of Biology University of South Florida
Tampa, FL 33620, USA romeo@chuma1.cas.usf.edu

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Upcoming Meeting of Interest

11 - 14 May, 2003: "4th International Workshop on Otiiorhynchinae and Related Root Weevils" in Wageningen, The Netherlands. The Workshop is a continuation of the "3rd Vine Weevil Workshop", held in France in 1999.

The workshop will cover recent progress made in the approach of root weevil problems in agriculture and horticulture and include both basic and applied aspects. The purpose of the meeting is to bring together the international expertise from research and practice to promote discussions and exchange of ideas on this important group of insects.

Pre-registration via E-mail (weevil@ppo.dlo.nl) or website (www.ppo.dlo.nl/weevil) is possible. The final announce-

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ment will only be sent to those who have pre-registered or responded by E-mail.

More information about the meeting can be found on the website (www.ppo.dlo.nl/weevil). All correspondence concerning the workshop should be addressed to: Marian de Beuze, Applied Plant Research Nursery Stock Research Unit, P.O. Box 118, 2770 AC Boskoop, The Netherlands
Phone: +31 172 236700, Fax: +31 172 236710.
E-mail: weevil@ppo.dlo.nl.



Stephen Foster, Editor
Department of Entomology
North Dakota State University
Fargo, ND 58105, USA
Stephen.foster@ndsu.nodak.edu

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